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Atty. Dkt. No. 034536-0220

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Tod R. SMEAL et al.

Title: PHOSPHOSPECIFIC PAK ANTIBODIES AND DIAGNOSTIC KITS

Appl. No.: 10/716,936

Filing Date: 11/20/2003

Examiner: Unassigned

Art Unit: Unassigned

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: _____ (use as many sheets as necessary)		Complete if Known	
Application Number		10/716,936	
Filing Date		11/20/03	
First Named Inventor		Tod R. SMEAL	
Group Art Unit		Unassigned	
Examiner Name		Unassigned	
Attorney Docket Number		034536/0220	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

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NON PATENT LITERATURE DOCUMENTS

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	C01	CALLOW et al., "Requirement for PAK4 in the Anchorage-independent Growth of Human Cancer Cell Lines", (2002) J. Biol. Chem., Vol. 227, Issue 1, 550-558.	
	C02	MANSEER et al., A brain serine/threonine protein kinase activated by Cdc42 and Rac 1", (1994) Nature 367, 40-46.	
	C03	BAGRODIA et al., "Identification of a Mouse p21 ^{Cdc42/Rac} Activated Kinase", (1995) J. Biol. Chem., Vol. 270, 22731-22737.	
	C04	KNAUS et al., "Regulation of Human Leukocyte p21-Activated Kinases Through G Protein-Coupled Receptors", (1995) Science 269, 221-223.	
	C05	MARTIN et al., "A novel serine kinase activated by rac1/CDC42Hs-dependent autophosphorylation is related to PAK65 and STE20", (1995) EMBO J. 14, 1970-1978.	
	C06	TEO et al., "Identification and Molecular Cloning of a p21 ^{Cdc42/Rac} -activated Serine/Threonine Kinase That is Rapidly Activated by Thrombin in Platelets", (1995) J. Biol. Chem. 270, 26690-26697.	
	C07	ABO et al., "PAK4, a novel effector for Cdc42Hs, is implicated in the reorganization of the actin cytoskeleton and in the formation of filopodia", (1998) EMBO J. 17, 6527-6540.	
	C08	SELLS et al., "Human p21-activated kinase (Pak1) regulates actin organization in mammalian cells", (1997) Curr. Biol. 7, 202-210.	

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MAR 08 2004 TRADEMARK OFFICE	C09	SELLS et al., "Temporal and Spatial Distribution of Activated Pak1 in Fibroblasts", (2000) J. Cell Biol. 151, 1449-1457.	
	C10	HUANG et al., "Neutrophils Stimulated with a Variety of Chemoattractants Exhibit Rapid Activation of p21-Activated Kinases (Paks): Separate Signals are Required for Activation and Inactivation of Paks", (1998) Mol. Cell. Biol. 18, 7130-7138.	
	C11	ZHOA et al., "A Conserved Negative Regulatory Region in αPAK: Inhibition of PAK Kinases Reveals Their Morphological Roles Downstream of Cdc42 and Rac1", (1998) Mol. Cell. Biol. 18, 2153-2163.	
	C12	EDWARDS et al., "Activation of LIM-kinase by Pak1 couples Rac/Cdc42 GTPase signaling to actin cytoskeletal dynamics", (1999) Nature Cell Biol. 1, 253-259.	
	C13	KIOSSES et al., "A Role for p21-Activated Kinase in Endothelial Cell Migration", (1999) J. Cell Biol. 147, 831-844.	
	C14	FROST et al., "Differential Effects of PAK1-activating Mutations Reveal Activity-dependent and -independent Effects on Cytoskeletal Regulation", (1998) J. Biol. Chem. 273, 28919-28198.	
	C15	EBY et al., "Actin cytoskeleton organization regulation by the PAK family of protein kinases", (1998) Curr. Biol. 8, 967-970.	
	C16	QUI et al., "An essential role for Rac in Ras transformation", (1995) Nature 374, 457-459.	
	C17	QUI et al., "A role for Rho in Ras transformation", (1995) Proc. Natl. Acad. Sci. U.S.A. 92, 11781-11785.	
	C18	QUI et al., "Cdc42 Regulates Anchorage-Independent Growth and Is Necessary for Ras transformation," (1997) Mol. Cell. Biol. 17, 3449-3458.	
	C19	KHOSRAVI-FAR et al., "Activation of Rac1, RhoA, and Mitogen-Activated Protein Kinases Is Required for Ras Transformation", (1995) Mol. Cell. Biol. 15, 6443-6453.	
	C20	PRENDERGAST et al., "Critical role of Rho in cell transformation by oncogenic Ras", (1995) Oncogene 10, 2289-2296.	
	C21	KEELY et al., "Cdc42 and Rac1 induce intergen-mediated cell motility and invasiveness through PI(3)K", (1997) Nature 390, 632-636.	
	C22	TANG et al., "Kinase-Deficient Pak1 Mutants Inhibit Ras Transformation of Rat-1 Fibroblasts", (1997) Mol. Cell. Biol. 17, 4454-4464.	
	C23	TANG et al., "A role for Pak protein kinases in Schwann cell transformation", (1998) Proc. Natl. Acad. Sci. U.S.A. 95, 5139-5144.	
	C24	TANG et al., "The Akt Proto-oncogene Links Ras to Pak and Cell Survival Signals", (2000) J. Biol. Chem. 275, 9106-9109.	

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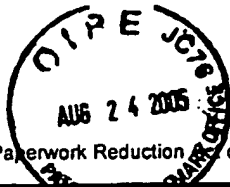
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<i>MA</i>	C25	OSADA et al., "A domain containing the Cdc42/Rac interactive binding (CRIB) region of p65 ^{PAK} inhibits transcriptional activation and cell transformation mediated by the Ras-Rac pathway", (1997) FEBS Lett. 404, 227-233.	
<i>MA</i>	C26	LIN et al., "Specific Contributions of the Small GTPases Rho, Rac, and Cdc42 to Dbl Transformation", (1999) J. Biol. Chem. 274, 23633-23641.	

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	A1	2003/0050230	A1	PLOWMAN et al.	03-13-2003	

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	A2	EP	1 085 093	A2	NEW YORK UNIVERSITY	03-21-2001		

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	A3	CALLOW et al., "Requirement for PAK4 in the Anchorage-independent Growth of Human Cancer Cell Lines," <u>The Journal of Biological Chemistry</u> , January 4, 2002, pp. 550-558, Vol. 277, No. 1, The American Society for Biochemistry and Molecular Biology, Inc.		
	A4	HAWTIN et al., "Expression and activation analysis of the p21 activated protein kinase, PAK4, in human colon adenocarcinomas," <u>Proc. Of AACR Annual Meeting</u> , July 2003, p. 881, Abstract #4444, Vol. 44, 2 nd Ed.		
	A5	HAWTIN et al., "Analysis of PAK4 kinase expression and activity in human tumor cell lines," <u>Proc. Of AACR Annual Meeting</u> , July 2003, p. 273, Abstract #1398, Vol. 44, 2 nd Ed.		

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